

Fig.1

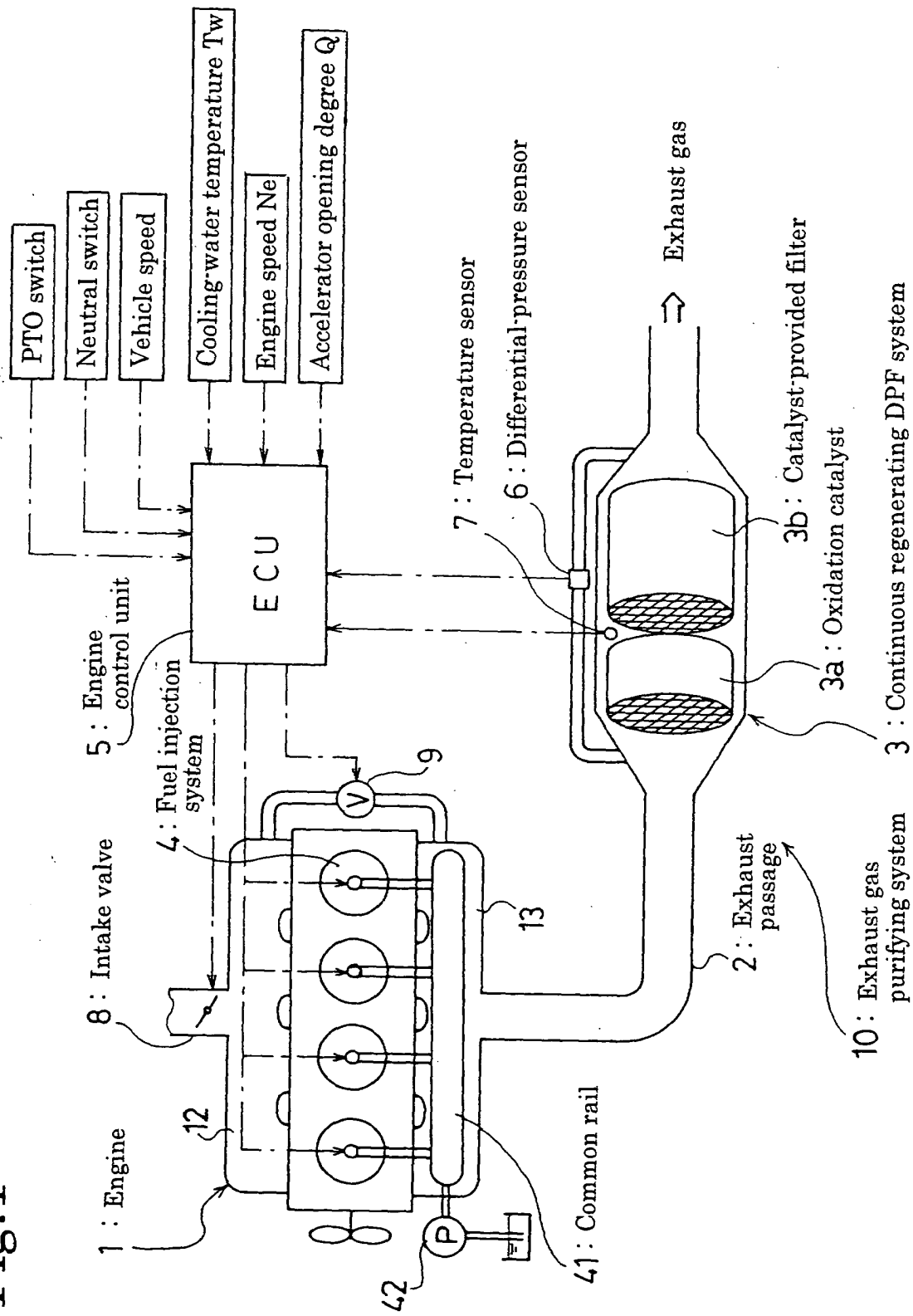


Fig.2

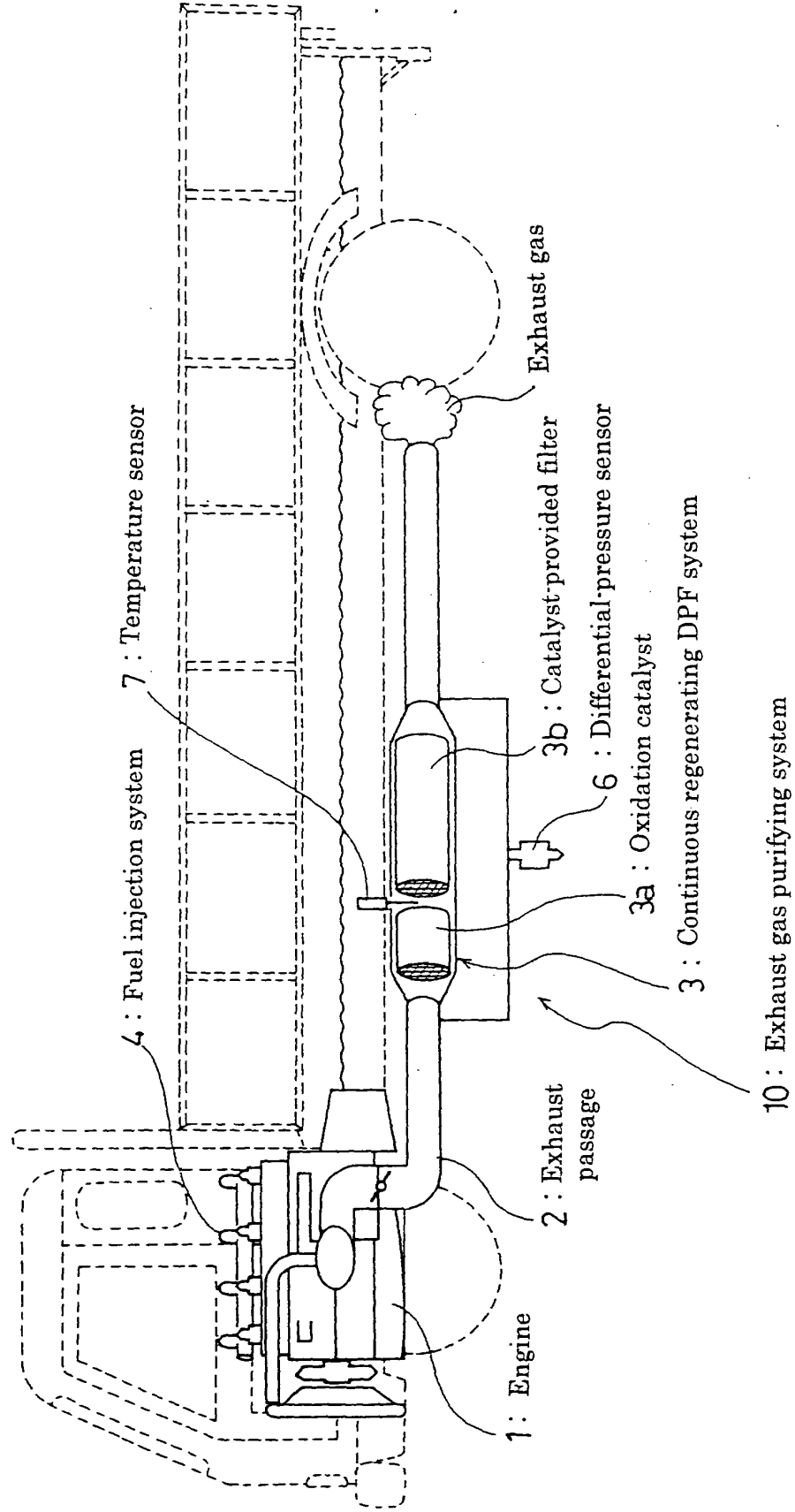


Fig.3

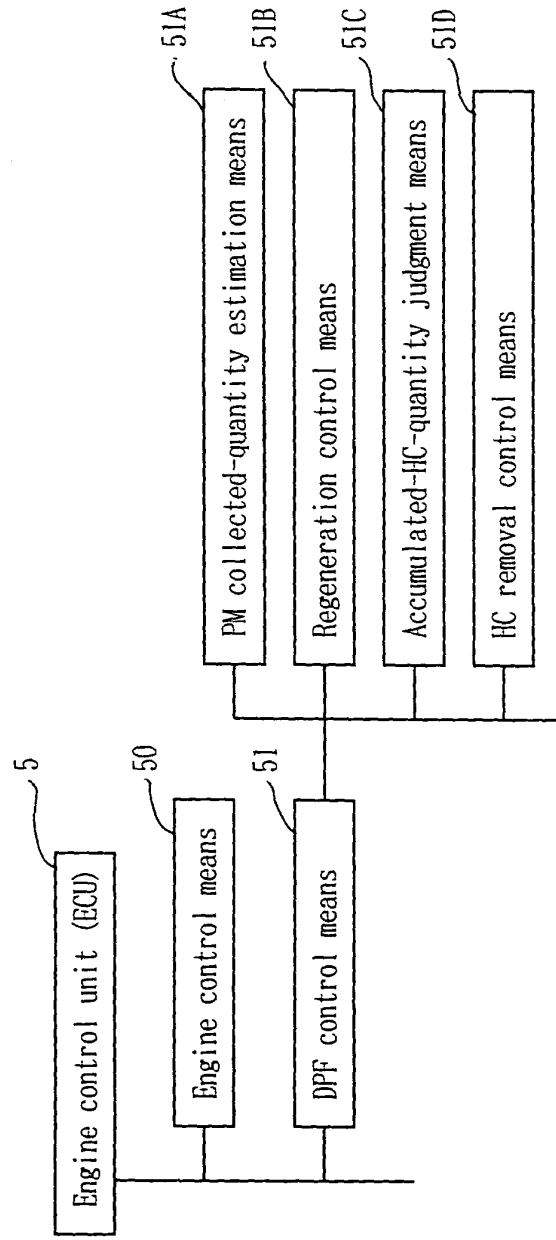


Fig.4

[Unburned-HC related control flow]

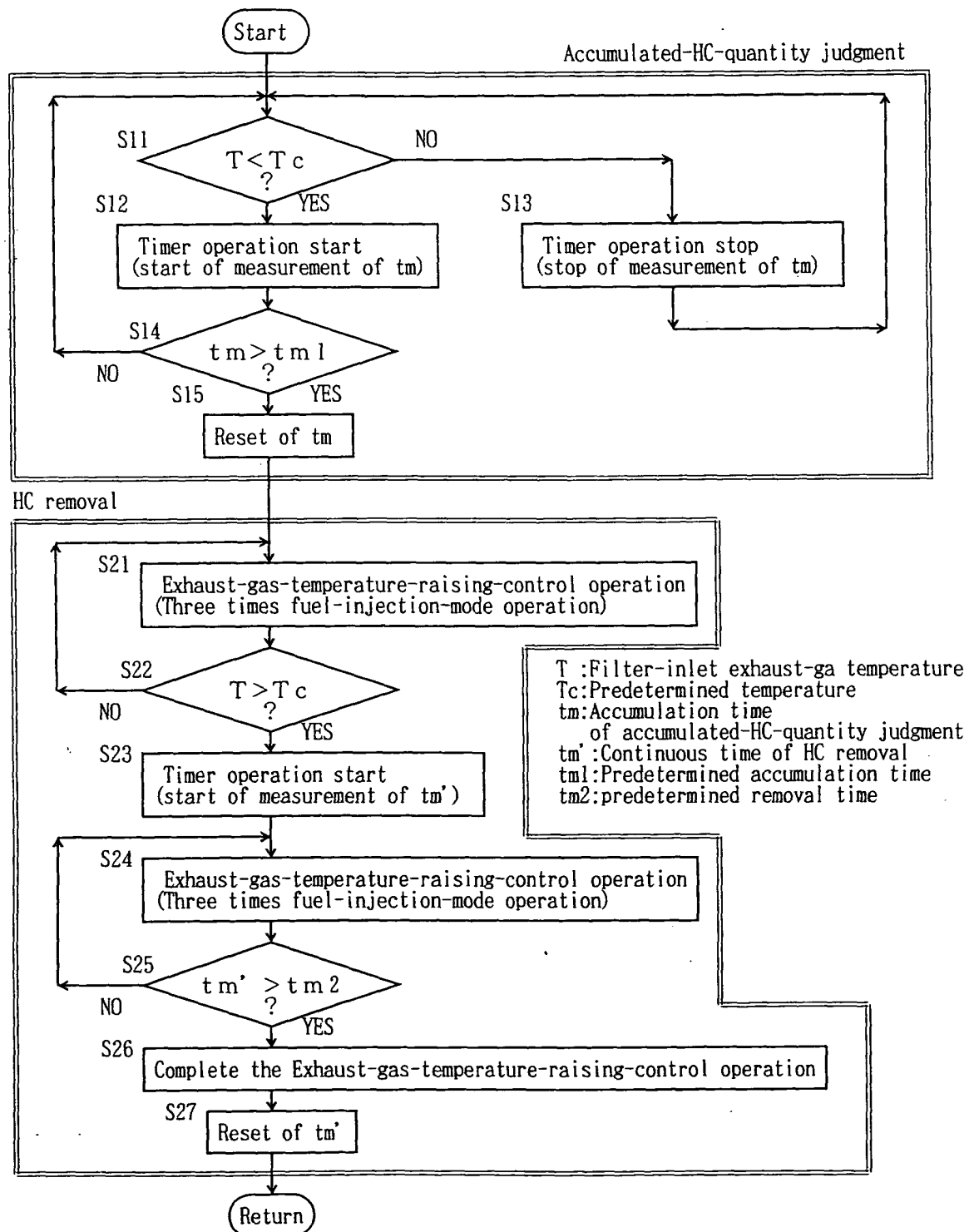
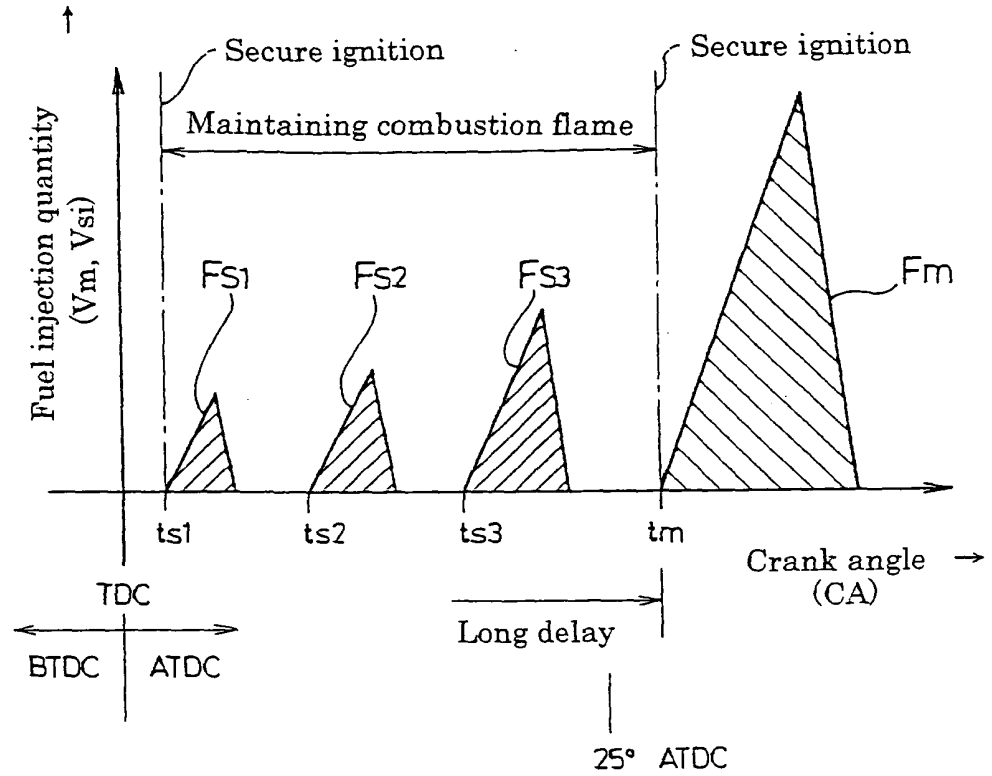


Fig.5

[Example of fuel injection in multistage-fuel-injection-mode operation]

(a)



(b)

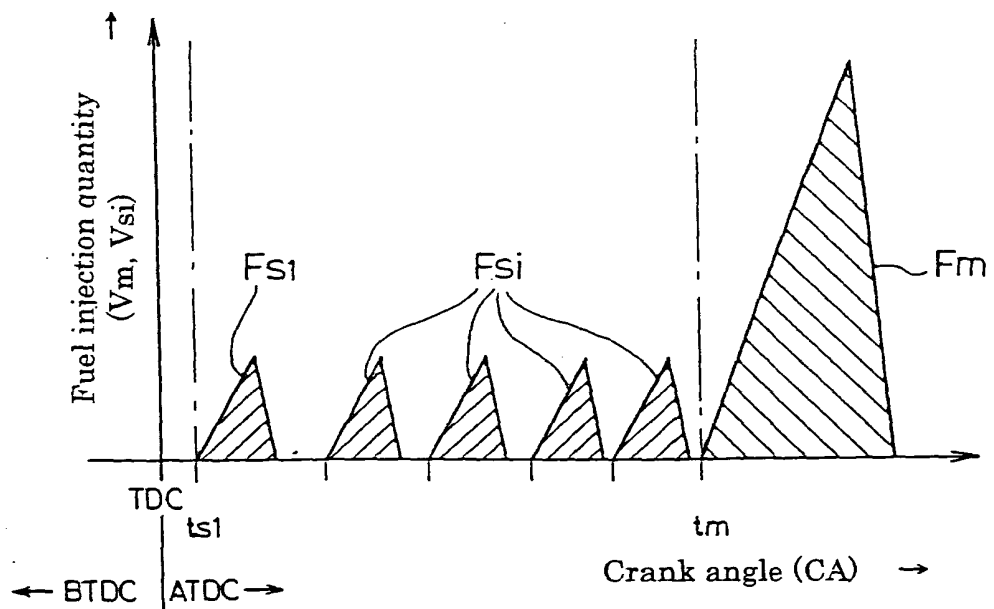
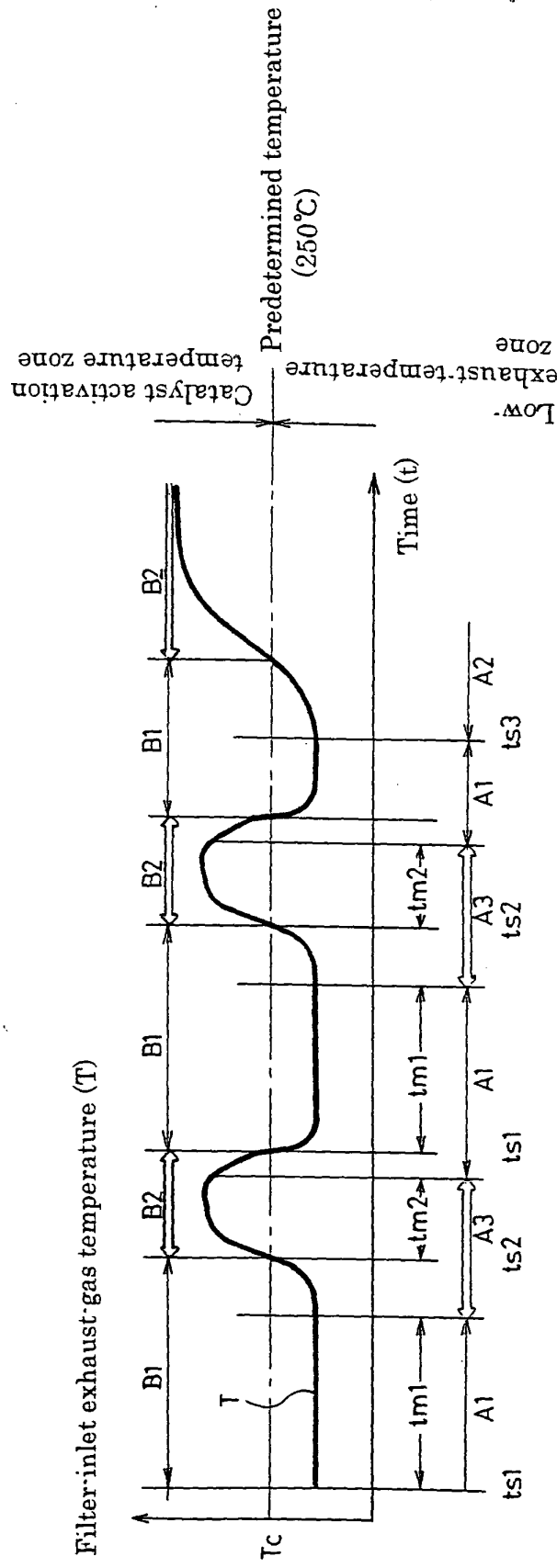


Fig.6



tm1: Predetermined judgment value (accumulation time)

tm2: Predetermined judgment value (removal time)

ts1: Timer start (for accumulated HC-quantity judgment)

ts2: Timer start (for HC removal)

A1: Long-time low-exhaust-temperature operation

A2: High-load operation zone

A3: HC removal operation

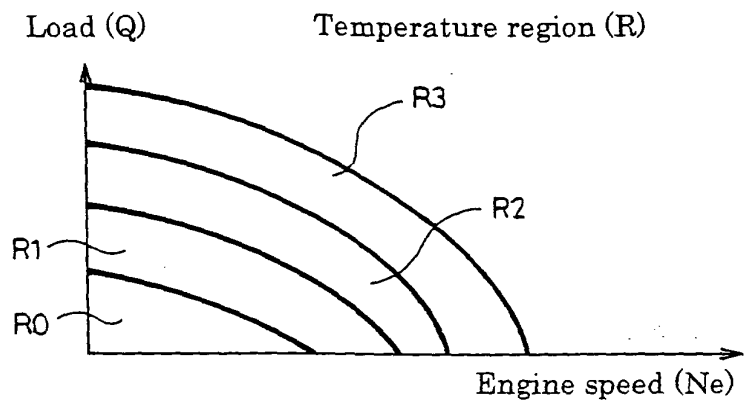
(exhaust-gas-temperature-raising-control operation)

B1: Accumulated-unburned HC

B2: HC oxidization and removal

Fig.7

[Relation between load and engine speed
of an engine and temperature region]



$$T(R0) < T(R1) < T(R2) < T(R3)$$

Fig.8

